

## CLAIMS

What is claimed is:

- 1 1. An electronic device, comprising:
  - 2 a CPU;
  - 3 a location module coupled to said CPU; and
  - 4 a communication unit coupled to said CPU;

5 wherein said CPU receives a location value from said location module, determines a region  
6 of the world in which the electronic device is located based on said location value  
7 and configures a communication capability for the electronic device based on the  
8 determined region.

1 2. The electronic device of claim 1 wherein said location module comprises a GPS receiver.

1 3. The electronic device of claim 1 wherein when said CPU configures the communication  
2 capability, said CPU configures the communication unit to operate in accordance with one of a  
3 plurality of communication protocols.

1 4. The electronic device of claim 1 wherein when said CPU configures the communication  
2 capability, said CPU configures the communication unit to operate in accordance with one of a  
3 plurality of transmission carrier frequencies.

1    5.     The electronic device of claim 1 further including non-volatile memory coupled to said  
2    CPU, said memory storing location information, said location information including location data  
3    and communication configuration values pertaining to said location data.

1    6.     The electronic device of claim 1 further including non-volatile memory coupled to said  
2    CPU, said memory storing a look-up table having a plurality of entries, each entry pertains to a  
3    different region and each entry includes location information and communication configuration  
4    values pertaining to said location data.

1    7.     The electronic device of claim 6 wherein said location information in each entry comprises  
2    a plurality of longitude values.

1    8.     The electronic device of claim 6 wherein said location information in each entry comprises  
2    a plurality of latitude values.

1    9.     The electronic device of claim 6 wherein said location information in each entry comprises  
2    a plurality of longitude and latitude values.

1    10.    The electronic device of claim 6 wherein said communication configuration values specify  
2    a communication protocol.

1    11.    The electronic device of claim 6 wherein said communication configuration values specify  
2    a transmission carrier frequency.

1    12.    The electronic device of claim 6 wherein said communication configuration values specify  
2    a communication protocol and a transmission carrier frequency.

1    13.    The electronic device of claim 1 wherein said region is a country.

1    14.    The electronic device of claim 1 wherein said location value received from said location  
2    module comprises longitude and latitude values.

1    15.    The electronic device of claim 1 wherein said CPU receives said location value from said  
2    location module when power is enabled to said electronic device.

1    16.    The electronic device of claim 1 further including non-volatile memory coupled to said  
2    CPU and containing code which can be accessed and executed by said CPU, said code includes  
3    instructions permitting said CPU to configure the communication capability based on the  
4    determined region in which the electronic device is located.

1    17.    The electronic device of claim 1 wherein said electronic device comprises a wireless  
2    communication device.

1    18.    The electronic device of claim 1 wherein said electronic device comprises a PDA.

1    19.    The electronic device of claim 1 wherein said electronic device comprises a laptop  
2    computer.

1    20.    The electronic device of claim 1 further including a microphone and speaker coupled to  
2    said CPU and wherein said electronic device comprises a cellular telephone.

1    21.    The electronic device of claim 1 further including a modem and said communication  
2    capability comprises the modem's frequency.

1    22.    The electronic device of claim 1 further including a modem and said communication  
2    capability comprises the modem's communication protocol.

1    23.    An automatic method of configuring the communication capability of an electronic device,  
2    comprising:

3         (a)    receiving a location value pertaining to the location of the electronic device; and  
4         (b)    configuring a communication capability for the electronic device based on the  
5                   received location value.

1    24.    The method of claim 23 further including determining a region of the world in which the  
2    electronic device is located based on said location value and (c) includes configuring the  
3    communication capability for the electronic device based on the determined region.

1    25.    The method of claim 24 wherein said region comprises a country.

1    26.    The method of claim 23 wherein (a) includes receiving a location value from a GPS  
2    receiver.

1    27.    The method of claim 23 wherein (b) includes configuring the electronic device to operate  
2    in accordance with one of a plurality of communication protocols.

1    28.    The method of claim 23 wherein (b) includes configuring the electronic device to operate  
2    in accordance with one of a plurality of transmission carrier frequencies.

1    29.    The method of claim 23 wherein (b) includes comparing said location value to a look-up  
2    table of location and configuration data to determine in which region of the world the electronic  
3    device is located and which communication capability works in that region.

1    30.    The method of claim 29 wherein the location data in the look-up table includes a plurality  
2    of longitude values.

1    31.    The method of claim 29 wherein the location data in the look-up table includes a plurality  
2    of latitude values.

1    32.    The method of claim 29 wherein the location data in the look-up table includes a plurality  
2    of longitude and latitude values.

1    33.    The method of claim 29 wherein the configuration data in said look-up table comprises  
2    transmission carrier frequencies.

1    34.    The method of claim 29 wherein the configuration data in said look-up table comprises  
2    communication protocols.

1    35.    The method of claim 29 wherein the configuration data in said look-up table comprises  
2    transmission carrier frequencies and communication protocols.

1    36.    The method of claim 23 wherein (a) is performed upon powering up the electronic device.

1    37.    The method of claim 23 wherein said electronic device comprises a wireless  
2    communication device.

1    38.    The method of claim 23 wherein said electronic device comprises a PDA.

1    39.    The method of claim 23 wherein said electronic device comprises a laptop computer.

1    40.    The method of claim 23 wherein said electronic device comprises a digital telephone.

1    41.    The method of claim 23 wherein said communication capability includes a modem's  
2    frequency.

1    42.    The method of claim 23 wherein said communication capability includes a modem's  
2    communication protocol.

1       43. An electronic device, comprising:  
2            a CPU;  
3            a display having an adjustable raster rate coupled to said display; and  
4            a location module coupled to said CPU;  
5            wherein said CPU automatically configures the raster rate of said display based on a  
6            location value received from said location module.